

ABSTRACT OF THE DISCLOSURE

A metal collector foil for an electric double layer capacitor has etched upper and lower surface layers and an unetched central layer disposed between
5 the etched upper and lower surface layers. The etched upper and lower surface layers have a total thickness sufficient to provide the metal collector foil with a capacitance per unit area that corresponds to a capacitance value obtained when the etched metal collector foil is subjected to an anodic formation process with application of a withstanding voltage of 65.5 volts, the capacitance value
10 being not less than $1.7 \mu\text{F}/\text{cm}^2$. The unetched central layer has a thickness sufficient to provide the metal collector foil with a tensile strength not less than $9,000 \text{ N}/\text{cm}^2$. A method of producing the metal collector foil and an electric double layer capacitor incorporating therein the metal collector foil are also disclosed.

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